

Application No. 10/581,095
Amendment dated August 2, 2007
Reply to Office Action of May 7, 2007

Docket No.: 3953-001USPCT

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of the claims:

Claims 1 - 7 (Cancelled)

8. (Currently amended) A portable, pedal driven ~~propeller~~ propeller and drive shaft apparatus for use in a watercraft ~~(1)~~ having ~~gunwhales~~ gunwales ~~(15,16)~~, comprising:

(a) a substantially quadrilateral frame ~~(11,12,13,14)~~ adapted to be releasably mounted on the ~~gunwhales~~ gunwales ~~(15,16)~~ of said watercraft ~~(1)~~;

(b) operator seat means ~~(4)~~ mounted on said quadrilateral frame ~~(11,12,13,14)~~;

(c) pedal crank means ~~(5,6)~~ mounted forwardly of, and depending from, said quadrilateral frame ~~(11,12,13,14)~~ and operable by an operator ~~(3)~~ sitting on said seat means ~~(4)~~;

(d) pulley means ~~(81,82,83)~~ pivotally mounted on said quadrilateral frame ~~(11,12,13,14)~~ so as to lie to one side of the operator seat means ~~(4)~~ and forward thereof when in operative position;

(e) means to transmit motive power generated by said pedal crank means ~~(5,6)~~ to said pulley means ~~(81,82,83)~~, said means to transmit motive power comprising drive means ~~(7,8,9)~~, a transverse drive shaft ~~(60,63)~~ and flexible cable-drive means ~~(67,68,69,72,75,80)~~, said drive means ~~(7,8,9)~~ being operatively connected to said pedal crank means ~~(5,6)~~ and to a first end of the transverse drive shaft ~~(60,63)~~, and said flexible cable-drive means ~~(67,68,69,72,75,80)~~ being operatively connected at a first end thereof to a second end of said transverse drive shaft ~~(60,63)~~, and, at a second end thereof, to said pulley means ~~(81,82,83)~~; and

(f) longitudinal drive shaft means ~~(2,38)~~ comprising a longitudinal shaft ~~(2)~~ operatively connected at a first end thereof to said pulley means ~~(81,82,83)~~ and, at a second end thereof, to propeller means ~~(40)~~;

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said pulley means ~~(81,82,83)~~ and longitudinal drive shaft means ~~(2,38)~~ being adapted to be pivoted, when mounted on said watercraft ~~(1)~~, about a horizontal transverse axis so as to raise said propeller means ~~(40)~~ to an inoperable position wherein said longitudinal drive shaft means ~~(2,38)~~ is substantially parallel to said gunwhales gunwales ~~(15,16)~~, and lower said propeller means ~~(40)~~ to an operative position wherein said longitudinal drive shaft means ~~(2,38)~~ is at an acute angle relative to said gunwhales gunwales ~~(15,16)~~; and wherein said pulley means and said longitudinal drive shaft means are mounted to and supported by a frame secured to and rotatable about a round tube portion of said quadrilateral frame.

Claim 9 (Cancelled)

10. (Currently amended) The apparatus according to claim ~~[[9]]8~~, wherein said frame ~~(73,76,78)~~ comprises a square tube ~~(76)~~ having internal dimensions slightly greater than outer dimensions of said round tube portion ~~(77)~~, said square tube being slidable with said round tube portion ~~(77)~~, and detachably secured thereto by removable pins ~~(86,87)~~ positioned immediately adjacent said frame ~~(73,76,78)~~ on inboard and outboard sides thereof.

11. (Currently amended) The apparatus according to claim 8, wherein said pulley means ~~(81,82,83)~~ is mounted on said quadrilateral frame ~~(11,12,13,14)~~ so as to lie outboard of one of said gunwhales gunwales ~~(15,16)~~ when in the operative position.

12. (Currently amended) The apparatus according to claim 8, wherein said transverse drive shaft ~~(60,63)~~ is rotatably mounted in transverse tube means ~~(65)~~ mounted on said quadrilateral frame ~~(11,12,13,14)~~.

13. (Currently amended) The apparatus according to claim 12, wherein said transverse tube means ~~(65)~~ comprises a spring-loaded pin ~~(66,70)~~ mounted thereon and in alignment with a corresponding hole formed therein, the pin being of sufficient dimensions to engage with a locking recess ~~(74)~~ formed in an input end housing ~~(60)~~ of the flexible cable-drive means ~~(67,68,69,72,75,80)~~ and limiting translational and rotational movement thereof upon rotation of said transverse drive shaft ~~(60,63)~~.

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14. (Currently amended) The apparatus according to claim 8, wherein said pulley means ~~(81,82,83)~~ comprises a first pulley ~~(81)~~ operably connected to the second end of said flexible cable-drive means ~~(67,68,69,72,75,80)~~, a second pulley ~~(82)~~ operably connected to the first end of said longitudinal shaft ~~(2)~~, and an endless drive belt ~~(83)~~ for transmission of power from said first pulley ~~(81)~~ to said second pulley ~~(82)~~.

Claims 15 - 21 (Cancelled)